



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/747,703	12/29/2003	Herbert Brunner	12406-12001 / P2001,0463	5888
26161	7590	01/11/2008	EXAMINER	
FISH & RICHARDSON PC P.O. BOX 1022 MINNEAPOLIS, MN 55440-1022			WILLIAMS, ALEXANDER O	
ART UNIT		PAPER NUMBER		
2826				
MAIL DATE		DELIVERY MODE		
01/11/2008		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/747,703	BRUNNER ET AL.	
	Examiner Alexander O. Williams	Art Unit 2826	

ZJ

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### **Status**

- 1) Responsive to communication(s) filed on 26 October 2007.
- 2a) This action is **FINAL**.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### **Disposition of Claims**

- 4) Claim(s) 1,2 and 4-87 is/are pending in the application.
- 4a) Of the above claim(s) 4-6,8-13 and 16-86 is/are withdrawn from consideration.
- 5) Claim(s) 1,2,7,14 and 87 is/are allowed.
- 6) Claim(s) \_\_\_\_\_ is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### **Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### **Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### **Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

Art Unit: 2826

Serial Number: 10/747703 Attorney's Docket #: 12406-1200001/P2001,0463USN  
Filing Date: 12/29/2003; foreign priority to 6/29/2001

Applicant: Brunner et al.

Examiner: Alexander Williams

This application is a continuation of application # PCT/DE02/01514, filed 4/25, 2002.

Applicant's Amendment filed 10/26/07 to the election with traverse of species I (claims 1, 2, 3, 7, 14 and 15), filed 10/5/05, has been acknowledged. Applicant's amendment has added to the claims several non-elected species elements into the claim structure for continued prosecution of this application.

This application contains claims 4-6, 8-13 and 16-86 drawn to an invention non-elected with traverse.

Claim 3 has been cancelled.

Claims 1, 2, 7, 14, 15 and 87 are allowed.

#### **REASON FOR ALLOWANCE**

The following is a statement of reasons for the indication of allowable subject matter:

As to independent claim 1, the prior art of record fails to show the combination recited in any of the claims. In particular, the prior art of record fails to show or collectively teach a surface-mounting radiation-emitting component, comprising: a leadframe and a radiation-emitting chip mounted on said leadframe; a molding material encasing said leadframe and said radiation-emitting chip, the molding material having a shape defining a mounting surface of the component, said mounting surface extending at a first predetermined angle, said first predetermined angle having a value lying within a range from 0

Art Unit: 2826

degrees to 20 degrees relative to a main emission direction of the component, said molding material having a shape defining a curved surface in the main emission direction; said leadframe having leadframe connections, wherein said leadframe connections protrude out of said molding material and have connection surfaces which enclose a second predetermined angle with said mounting surface, said second predetermined angle having a value lying within a range from 70 degrees to 90 degrees.

Applicant's arguments provide reasons for allowance.

This application is in condition for allowance except for the following formal matters: This application contains claims 4-6, 8-13 and 16-86 drawn to an invention non-elected with traverse. A complete response to the final rejection must include cancellation of non-elected claims or other appropriate action (see 37 CFR § 1.144 & MPEP § 821.01).

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Field of Search	Date
U.S. Class and subclass: 257/99,100,81,89,603,103,788,13,98,434,680,e33.057,e3 3.066,e33.059,e33.057,e33.072,e33.058,e33.057 362/241,247,249,800 313/486,467,512,498,113 372,45,46,43, 252/301.36 250/552	10/30/05 7/29/06 9/3/06 6/20/07 12/30/07
Other Documentation: foreign patents and literature in 257/99,100,81,89,603,103,788,13,98,434,680,e33.057,e3 3.066,e33.059,e33.057,e33.072,e33.058,e33.057 362/241,247,249,800 313/486,467,512,498,113 372,45,46,43,	10/30/05 7/29/06 9/3/06 6/20/07 12/30/07

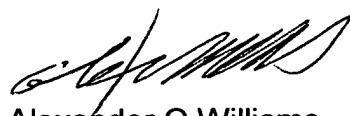
Art Unit: 2826

252/301.36 250/552	
Electronic data base(s): U.S. Patents EAST	10/30/05 7/29/06 9/3/06 6/20/07 12/30/07

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander O. Williams whose telephone number is (571) 272 1924. The examiner can normally be reached on M-F 6:30AM-7:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sue Purvis can be reached on (571) 272 1236. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Alexander O Williams  
Primary Examiner  
Art Unit 2826

AOW  
1/6/08